

**Amendments to the Specification:**

Please replace the paragraph beginning at line 12 of page 11 with the following amended paragraph:

As represented in Figure 5, data obtained from the implanted sensor 101/102 ~~Implanted sensor data~~ may be used as feedback for a LA to RA unidirectional valve 16 (Figure 5), which can be used to prevent pulmonary edema. LA decompression is accomplished by allowing blood to flow directly from the LA to the RA, thus reducing the pressure in the LA and the pulmonary bed.